



PCGIN 2018 stakeholder meeting

**John Innes Centre, Norwich Research Park, Colney,
Norwich NR4 7UH**

Tel: 01603 450000

Friday, 23rd November 2018

Research highlights from the current PCGIN project (2018-2023) will be presented. Topics will include studies of disease resistance, seed quality traits and development of new resources for UK pulse crops. There will be a session devoted to engagement with industrial partners and opportunity for stakeholders to highlight emergent priorities which can be tackled using genetics.

DRAFT Programme

10:30 Arrival, tea & coffee

Welcome & introductions (Claire Domoney, JIC)

Chair: Steve Belcher (PGRO)

11:00 Overview & update on PCGIN research (Claire Domoney, JIC)

11:20 Disease resistance to enhance yield in UK pulse crops (Anne Webb, NIAB)

11:40 Expanding resources for faba bean breeding (Donal O'Sullivan, University of Reading)

12:00 PCGIN-associated student projects

Flash presentations of student projects (5 min each)

- Lisa King (University of Warwick): Understanding and mitigating the causes of yield decline in pea
- Vicky Tagkouli (UoR, Reading): Faba bean breeding
- Jake Moscrop (University of Cambridge): Strategies to enhance pollination and yield in *Vicia faba*

12:15 Nutritional aspects of pulse seeds: iron species and bioavailability in pea (Janneke Balk, JIC)

12:30 Introduction to 'Marketplace of Ideas' afternoon session (Donal O'Sullivan, University of Reading)

12:35 LUNCH with poster* viewing

Chair: Donal O'Sullivan (UoR)

13:35 International pulse projects

Summary of new or in progress international projects (5 min each)

- Climate-ready (*Phaseolus*) beans (Jane Thomas, NIAB)
- Panacea: Pathogenomics for enhancing food security in East Africa (Jane Thomas, NIAB)
- Bean4NAfrica, Norfab, proFABA ERA-NET (Donal O'Sullivan, University of Reading)
- Development of mung bean varieties with improved disease resistance (Vladimir Nekrasov, Rothamsted)

14:00 Viewpoint from the industry:

Marketplace of ideas: matching industrial needs with genetics research

In this session, constraints to pulse production that are amenable to genetic improvement and are a priority for either public-funded research or public-private partnerships will be presented as RESEARCH NEEDS by the industry. Genetic researchers will respond with OFFERS of specific expertise and knowledge or direct solutions to the research needs. Discussions could include plans to reach out to potential providers of additional expertise and knowledge, and to funders.

The 'Marketplace' will be assisted by input from:

- Steve Belcher (UK pulse industry needs, based on a PGRO strategy document),
- James Wallace, IAR Agri & Keith Costello, agronomist (PeaYEN, Legume Innovation Network),
- Justin Barrett, Askew & Barrett (Yield, yield, yield – but what about quality),
- Josiah Meldrum, Hodmedods (Innovation demands of the growing human consumption market),
- Liliya Serazetdinova, KTN (Funding prospects for future/related projects)
- Jonathan Clarke, JIC (The business of mapping research with industry needs)

15:15 Wrap up & depart

***Poster presentations:**

- Tom Reynolds *et al.*, NIAB (Chocolate spot in faba bean)
- Rosanne Maguire *et al.*, University of Warwick (*Phaseolus vulgaris*: adapting the missing link for sustainable production and consumption in the UK)
- Nicola Capstaff *et al.*, JIC (Improving nitrogen use efficiency in UK forage crops)